

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2004/003171

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B60C11/24 B60C23/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B60C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197 45 734 A1 (BAYERISCHE MOTOREN WERKE AG, 80809 MUENCHEN, DE) 22 April 1999 (1999-04-22)	1,3-6,10
Y	column 1 - column 2, line 22 column 2, line 68 - column 3, line 25; claims; figures	12
A	EP 1 314 580 A (CONTINENTAL AKTIENGESELLSCHAFT) 28 May 2003 (2003-05-28) claims; figures	1-7,10
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

8 June 2005

Date of mailing of the international search report

04.07.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Thanbichler, P

## INTERNATIONAL SEARCH REPORT

 Int. Application No  
 PCT/IB2004/003171

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 937 615 A (SIEMENS AKTIENGESELLSCHAFT) 25 August 1999 (1999-08-25) abstract	11
Y	paragraph '0004! - paragraph '0011! paragraphs '0029!, '0059!; claims; figures	12
X	----- DE 44 02 136 A1 (TEMIC TELEFUNKEN MICROELECTRONIC GMBH, 74072 HEILBRONN, DE; CONTINENTA) 27 July 1995 (1995-07-27) column 1 - column 3, paragraph 1	11
Y	claims; figures	12
X	----- US 4 510 484 A (SNYDER ET AL) 9 April 1985 (1985-04-09)	11
Y	claim 1	12
X,P	----- DE 102 59 056 A1 (ENOCHEAN GMBH) 2 September 2004 (2004-09-02) paragraphs '0001!, '0002!; claims; figures	11
X,P	----- DE 102 53 278 A1 (SIEMENS AG) 3 June 2004 (2004-06-03) paragraphs '0001! - '0009!	11

# INTERNATIONAL SEARCH REPORT

ational application No.  
PCT/IB2004/003171

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-10

A tire wear monitoring system comprising magnetic field sensing means and magnetic elements associated with a wheel.

---

2. claims: 11-16

Monitoring system for the physical properties of a tire with energy conversion means to generate electric energy from vibrational energy when the tire is in motion.

---

# INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2004/003171

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 19745734	A1	22-04-1999	NONE		
EP 1314580	A	28-05-2003	DE	10157263 A1	28-05-2003
			EP	1314580 A1	28-05-2003
EP 0937615	A	25-08-1999	DE	19807004 A1	09-09-1999
			EP	0937615 A2	25-08-1999
DE 4402136	A1	27-07-1995	NONE		
US 4510484	A	09-04-1985	BR	8400198 A	12-02-1985
			CA	1218415 A1	24-02-1987
			DE	3407254 A1	04-10-1984
			FR	2543492 A1	05-10-1984
			GB	2137429 A ,B	03-10-1984
			JP	59194677 A	05-11-1984
DE 10259056	A1	02-09-2004	WO	2004054823 A1	01-07-2004
DE 10253278	A1	03-06-2004	FR	2847373 A1	21-05-2004
			US	2004118197 A1	24-06-2004